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Amendment
Attorney Docket No. S63.2B-10234-US01

Amendments To The Claims:

Claim 1. (Currently Amended) An unexpanded stent characterized by a longitudinal axis, the stent comprising ~~at least one~~ a plurality of serpentine bands extending about the circumference of the stent,

each serpentine band comprising a plurality of substantially straight struts,

each strut having a first end and a second end,

each two adjacent struts connected one to the other at a first end or a second but not both,

adjacent struts which are connected at their first ends joined by a trough portion,

adjacent struts which are connected at their second ends joined by a peak portion,

each serpentine band including adjacent struts joined by a peak portion which together define an opening which extends parallel to the longitudinal axis of the stent,

each serpentine band also including adjacent struts joined by a peak portion which together define an opening which includes a section which is parallel to the longitudinal axis of the stent and a section which is skewed relative to the longitudinal axis of the stent having alternating peak portions and trough portions the peak portions including shorter peak portions and longer peak portions, the longer peak portions of a longitudinal extent greater than the shorter peak portions,

~~the longer peak portions including first bent peak portions which extend in a first direction non-parallel to the longitudinal axis of the stent and second bent peak portions which extend in a second direction non-parallel to the longitudinal axis of the stent,~~

~~each first bent peak portion circumferentially adjacent to one second bent peak portion which points toward the first bent peak portion and to one second bent peak portion which points away from the first bent peak portion,~~

~~adjacent first and second bent peak portions which point toward one another separated one from the other by at least one shorter peak portion.~~

Claim 2. (Currently Amended) The stent of claim 1 wherein A stent characterized by a

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longitudinal axis, the stent comprising at least one serpentine band extending about the circumference of the stent and having alternating peak portions and trough portions,

the peak portions including shorter peak portions and longer peak portions, the longer peak portions of a longitudinal extent greater than the shorter peak portions,

the longer peak portions including first bent peak portions which extend in a first direction non-parallel to the longitudinal axis of the stent and second bent peak portions which extend in a second direction non-parallel to the longitudinal axis of the stent,

each first bent peak portion circumferentially adjacent to one second bent peak portion which points toward the first bent peak portion and to one second bent peak portion which points away from the first bent peak portion,

adjacent first and second bent peak portions which point toward one another separated one from the other by at least one shorter peak portion.

the trough portions include shorter trough portions and longer trough portions, the longer trough portions of a longitudinal extent greater than the shorter trough portions,

the longer trough portions including first bent trough portions which extend in a first direction non-parallel to the longitudinal axis of the stent and second bent trough portions which extend in a second direction non-parallel to the longitudinal axis of the stent,

each first bent trough portion circumferentially adjacent to one second bent trough portion which points toward the first bent trough portion and to one second bent trough portion which points away from the first bent trough portion,

adjacent first and second bent trough portions which point toward one another separated one from the other by at least one shorter trough portion.

Claim 3. (Currently Amended) The stent of claim ~~3~~ 1 comprising a plurality of the serpentine bands.

Claim 4. (Original) The stent of claim 3 wherein serpentine bands which are longitudinally adjacent one another are connected one to the other.

Claim 5. (Original) The stent of claim 3 wherein serpentine bands which are longitudinally adjacent one another are connected one to the other by at least one longitudinal connector extending from a shorter peak portion of one serpentine band to a shorter trough portion on a serpentine band which is longitudinally adjacent thereto.

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Claim 6. (Original) The stent of claim 3 wherein serpentine bands which are longitudinally adjacent one another are connected one to the other by a plurality of longitudinal connectors which extend from shorter peak portions of one serpentine band to shorter trough portions on a serpentine band which is longitudinally adjacent thereto.

Claim 7. (Withdrawn) The stent of claim 6 wherein adjacent first and second bent trough portions which point away from one another are not separated by any shorter trough portions and adjacent first and second bent peak portions which point away from one another are not separated by any shorter peak portions.

Claim 8. (Withdrawn) The stent of claim 6 wherein adjacent first and second bent trough portions which point away from one another are not separated by any shorter trough portions, adjacent first and second bent peak portions which point away from one another are not separated by any shorter peak portions, adjacent first and second bent trough portions which point toward one another are separated one from the other by at least two shorter trough portions and adjacent first and second bent peak portions which point toward one another are separated one from the other by at least two shorter peak portions.

Claim 9. (Original) The stent of claim 1 made of one or more shape memory materials.

Claim 10. (Original) The stent of claim 1 constructed and arranged to be self-expanding.

Claim 11. (Original) In combination, a stent as in claim 10 disposed on a catheter, the stent restrained by a sheath.

Claim 12. (Currently Amended) A stent comprising at least one serpentine band with a plurality of alternating peak portions and trough portions, the peak portions of the at least one serpentine band being at the distal end of the band such that the peak portions are more distal than the trough portions, some of the peak portions including at least two bent peak portions which bend away from the longitudinal axis of the stent toward one another, each of the bent peak portions wrapping at least partially about an adjacent peak portion.

Claim 13. (Original) The stent of claim 12 wherein the trough portions including at least two bent trough portions which bend toward one another, each of the bent trough portions wrapping at least partially about an adjacent trough.

Claim 14. (Original) The stent of claim 13 comprising a plurality of the serpentine bands.

Claim 15. (Currently Amended) ~~The stent of claim 14 where~~ A stent comprising a plurality of

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serpentine bands with a plurality of alternating peak portions and trough portions,
the peak portions including at least two bent peak portions which bend toward one
another, each of the bent peak portions wrapping at least partially about an adjacent peak
the trough portions including at least two bent trough portions which bend toward one
another, each of the bent trough portions wrapping at least partially about an adjacent trough.

adjacent serpentine bands are connected one to the other via at least one connector extending from a peak portion of one serpentine band to a trough portion of an adjacent serpentine band.

Claim 16. (Currently Amended) The stent of claim 14 15 where adjacent serpentine bands are connected one to the other via a plurality of connectors extending from peak portions of one serpentine band to trough portions of an adjacent serpentine band.

Claim 17. (Original) The stent of claim 16 wherein the connectors are parallel to the longitudinal axis of the stent.

Claim 18. (Original) The stent of claim 16 wherein each connector has a first end and a second end, the first and second end circumferentially aligned one with the other.

Claim 19. (Previously presented) The stent of claim 12 made of one or more shape memory materials.

Claim 20. (Previously presented) The stent of claim 12 constructed and arranged to be self-expanding.

Claim 21. (Previously presented) The stent of claim 12 further comprising a coating, at least a portion of the stent having the coating thereon.

Claim 22. (Original) The stent of claim 21 wherein the coating is a matrix compound.

Claim 23. (Original) The stent of claim 21 wherein the coating is selected from at least one member of the group consisting of: lactide, glycolide, and caprolactone polymers and their copolymers; hydroxybutyrate and polyhydroxyvalerate and their block and random copolymers; a polyether ester; anhydrides, polymers and copolymers of sebacic acid, hexadecandioic acid, ~~orthostannyl polyvinylidene~~, ~~polyglycolic acid and polylactic acid~~, their blocks and random copolymers and any combination thereof.

Claim 24. (Currently Amended) A stent having a proximal end and a distal end comprising at least one serpentine band with a plurality of alternating peak portions and trough portions, the

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peak portions of the at least one serpentine band being at the distal end of the band such that the peak portions are more distal than the trough portions, the peak portions including at least two bent peak portions which bend away from one another, the at least two peak portions being eennected by a connector having a different shape than the other peak portions and wrapping at least partially about an adjacent peak.